

Installation Identity and Scope

Honeywell CC-TPIX11-51306544-175 is a redundant 12-inch I/O termination assembly for the Series C pulse input module. It terminates single- or dual-pulse field channels and the documented fast cut-off relay connections used by the pulse input function.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	CC-TPIX11-51306544-175
Manufacturer	Honeywell
Hardware type	Pulse Input IOTA
System family	Series C I/O
Official source	EP03-490-520, Version 1.5, December 2021, section 5.7 and model table

CONTROLLED ENGINEERING COPY

Configure channel mode, input edge, excitation and isolated-or-bussed operation from the approved Series C design record. Verify field wiring, pulse frequency, channel diagnostics and both fast cut-off outputs before release.

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CC-TPIX11-51306544-175

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete CC-TPIX11-51306544-175 marking and 12-inch redundant IOTA position.
2	De-energize field excitation and the associated Series C I/O assembly before wiring work.
3	Record every TB1-TB4 conductor, shield, jumper and fast cut-off relay connection.
4	Confirm whether each channel is single pulse or one half of an approved dual-pulse pair.
5	Set isolated or bussed operation and the excitation source exactly as documented.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	CC-TPIX11-51306544-175
Physical interface	Redundant 12-inch pulse-input IOTA position
Companion check	Approved Series C pulse-input electronics and TB1-TB4 wiring
Configuration	Single/dual allocation, excitation, edge and relay settings
Functional proof	Frequency, totalization, pulse proving, diagnostics and cut-off outputs

Related Honeywell Products

MODEL	APTER POWER PAGE
Honeywell 8C-PCNT03	View Honeywell 8C-PCNT03
Honeywell 8C-PDIL51-51454359-175	View Honeywell 8C-PDIL51-51454359-175
Honeywell 8C-PDILA1	View Honeywell 8C-PDILA1
Honeywell 8C-PDOD51	View Honeywell 8C-PDOD51
Honeywell 8C-PDOD51-51454361-175	View Honeywell 8C-PDOD51-51454361-175

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Channel allocation	Confirm eight single or four dual-pulse channel assignment.
Signal input	Verify high-impedance differential input within 0 to 35 VDC.
Frequency	Apply the documented single-channel or dual-pulse frequency limit.
Excitation	Confirm internal 24 VDC or approved external 5 to 30 VDC excitation.
Edge	Record rising- or falling-edge selection for each enabled channel.
Cut-off outputs	Label and test both documented fast cut-off relay connections.

CONFIGURATION BOUNDARY

Configure channel mode, input edge, excitation and isolated-or-bussed operation from the approved Series C design record. Verify field wiring, pulse frequency, channel diagnostics and both fast cut-off outputs before release.

Expected Technical Values

PARAMETER	VALUE
Complete model	CC-TPIX11-51306544-175
IOTA model	CC-TPIX11
IOTA role	Redundant pulse-input termination assembly
Form	12-inch redundant IOTA

Related Honeywell Products

MODEL	APTER POWER PAGE
Honeywell 8C-PDODA1-51454472-175	View Honeywell 8C-PDODA1-51454472-175
Honeywell 8C-TAIXA1-51307127-175	View Honeywell 8C-TAIXA1-51307127-175

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	Full IOTA and part-number marking agrees with the maintenance record.
Pulse measurement	Frequency, period and accumulated value agree with the controlled test source.
Pulse proving	Configured dual-pulse fidelity and channel diagnostics pass without unexplained fault.
Cut-off function	Both fast cut-off outputs operate at their approved test thresholds.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
How many pulse channels can this IOTA terminate?	The pulse input design supports eight single channels or four dual-pulse channels, including mixed approved combinations.
What frequency limits apply to single and dual-pulse service?	Single channels are specified from 0 to 100 kHz, while a dual-pulse channel is specified from 0 to 10 kHz.
Which input electrical arrangement is documented?	The inputs are high-impedance differential-voltage channels with 1000 VDC optical isolation and greater than 70 kOhm input impedance.
Can the active edge be selected?	Yes. Each configured pulse channel can use a rising edge, which is the default, or a falling edge.

Related Honeywell Products

MODEL	APTER POWER PAGE
Honeywell 8C-TAOXB1-51307137-175	View Honeywell 8C-TAOXB1-51307137-175
Honeywell 8C-TCNTA1	View Honeywell 8C-TCNTA1
Honeywell 8C-TDIL01	View Honeywell 8C-TDIL01
Honeywell 8C-TDIL11	View Honeywell 8C-TDIL11
Honeywell 8C-TDOD51	View Honeywell 8C-TDOD51

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
How is field-sensor excitation supplied?	The power connection supports internal 24 VDC operation or an external user-supplied excitation source from 5 to 30 VDC.
What does the fast cut-off function do?	Two documented outputs support fast cut-off action so a dosing operation can be stopped when its threshold is reached.
Which measured values are available to the control strategy?	The channel function can provide frequency, accumulated value, high and low pulse width, and period.
What should pass before commissioning release?	Verify the selected single/dual allocation, excitation, edge, input range, pulse proving, diagnostics and operation of both cut-off outputs.

MANUFACTURER SOURCE RECORDS

Experion Series-C I/O Specification - EP03-490-520, Version 1.5, December 2021, section 5.7 and model table
Series C I/O User Guide - EPDOC-X126-en-A, sections 5.21 and 6.1-6.11

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	CC-TPIX11-51306544-175 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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